888 888 888 A 888 888 A 888 888 A 888 888	AAAAAAAA AAAAAAAA AAA AAA AAA AAA	\$	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR		LLL LLL LLL LLL LLL LLL LLL LLL LLL LL
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D 9

Page

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112222222222333333333333344444444444455
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```
MODULE BASSPOS (
                                                               ! find the position of a substring ! File: BASPOS.B32
                     IDENT = '1-005'
                     ) =
```

BEGIN

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FACILITY: String support library

ABSTRACT: This module takes 2 input strings of any class and dtype and returns the position of the substring in the main string starting at an input position

ENVIRONMENT: User mode, AST level or not or mixed

AUTHOR: R. Will, CREATION DATE: 10-Mar-79

MODIFIED BY:

R. Will, 10-Mar-79 : VERSION 01

- original

1-002 - Fix bug with starting pos > searched string length. RW 14-Jul-79 1-003 - Correct a typo in edit 002. JBS 25-JUL-1979 1-004 - Make POS agree with DEC BASIC Standard Proposal. RW 23-Sept-79 1-005 - CALL STR\$ DELETE THIS MODULE WHEN COMPILER CALLS STR\$. RW 1-NOV-79

!<BLF/PAGE>

BAS\$	POS			G 9 16-Sep-19 14-Sep-19	84 00:58:36 84 11:56:26	VAX-11 Bliss-32 V4.0-742 [BASRTL.SRC]BASPOS.B32;1	Page 3 (3)	
96 0188 97 0190 98 0190 100 0192 101 0193 102 0194 103 0195 104 0196 105 0197 106 0198 107 0199 108 0200 109 0201 110 0202 111 0203 112 0204 113 0205 114 0206 117 0208 117 0209 118 0210 119 0211 120 0212 121 0213 122 0214 123 0215 124 0216 127 0219 128 0220 129 0221 121 0223 121 0223 122 0214 123 0215 126 0218 127 0219 128 0220 131 0223 131 0223 132 0224 133 0225 136 0228 137 0229 138 0230	0188 1 0189 1 0190 1 0191 1	GLOBAL ROUTINE BASSPOS (SRC_DES SUB_DESC, START_POS ) : =	sc.	descriptor o descriptor o value of pos	f string to search f string to find ition to start search	,		
	0193 1 0194 1 0195 1	FUNCTIONAL DESCRIPTION: This routine takes two source strings of any dtype and class and finds the position of the substring in the source string starting at the input starting position. The routine returns the position of the substring in the source string.						
	FORMAL PARAMETERS:							
	0200 1 0201 1 0202 1 0203 1	SRC_DESC.rt.dx SUB_DESC.rt.dx START_POS.rl.v	pointer to descri pointer to descri value of position	ptor of strin ptor of strin in source to	g to be searched g to find begin search			
	0205 1	IMPLICIT INPUTS:						
1	115 0207	NONE						
117 0209 1 118 0210 1 119 0211 1 120 0212 1 121 0213 1 122 0214 1	IMPLICIT OUTPUTS:							
	NONE							
	0214 1	COMPLETION CODES:						
1	124 0216 1	0216 1 0217 1	FIND_POS.wlu.v	value of start po	sition of sub	str in src strng		
126 0218 1 127 0219 1 128 0220 1 129 0221 1 130 0222 1 131 0223 1 132 0224 2 133 0225 2 134 0226 2 135 0227 2	SIDE EFFECTS:							
	NONE							
	0223 1	BEGIN						
	0225 2 0226 2	2						
	MAP SRC_DESC : REF BLOCK [8,BYTE], SUB_DESC : REF BLOCK [8,BYTE];							
1: 1	38	0229 2	RETURN STR\$POSITION (SRC_DE END;	SC [0,0,0,01. SUB	End of BASSPO	S START_PUS);		
					TITLE BASS	POS 05\		
						POSITION		
					.PSECT _BAS	\$CODE, NOWRT, SHR, PIC, 2		
			OC A	0000 00000 9F 00002	ENTRY BASS	POS, Save nothing	: 0188 : 0229	
			00000000G 00 00 00		MOVO SRC-	POS, Save nothing T_POS DESC, -(SP) STR\$POSITION		
				04 00010	RET		: 0230	

BASSPOS 1-005 ; Routine Size: 17 bytes, Routine Base: \_BAS\$CODE + 0000 139 140 141 142 !End of module PSECT SUMMARY Attributes Bytes Name \_BAS\$CODE 17 NOVEC, NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC, ALIGN(2) COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/NOTRACE/LIS=LIS\$:BASPOS/OBJ=OBJ\$:BASPOS MSRC\$:BASPOS/UPDATE=(ENH\$:BASPOS) Size: 17 code + 0 data bytes
Run Time: 00:01.7
Elapsed Time: 00:03.8
Lines/CPU Min: 8407
Lexemes/CPU-Min: 23353
Memory Used: 19 pages
Compilation Complete : Size:

: Lexemes/CPU-Min: 2335 : Memory Used: 19 page : Compilation Complete

0029 AH-BT13A-SE

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